

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	383	29/898.07	USPAT; USOCR	OR	ON	2006/12/13 12:55
L2	32	I1 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/13 12:57
L3	123	29/722	USPAT; USOCR	OR	ON	2006/12/13 12:57
L4	61	29/722.ccls.	USPAT; USOCR	OR	ON	2006/12/13 12:57
L5	0	I4 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/13 12:58
L6	0	I4 and ball adj bearing	USPAT; USOCR	OR	ON	2006/12/13 12:58
L7	127	I1 and ball adj bearing	USPAT; USOCR	OR	ON	2006/12/13 12:58
L8	0	I7 and wash	USPAT; USOCR	OR	ON	2006/12/13 12:58
L9	6	I7 and clean	USPAT; USOCR	OR	ON	2006/12/13 12:58
S1	6	("3903992" "5336955" "5509198" "5547291" "5841210" "5880543").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 08:14
S2	1	"5483113".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:49
S3	1	"5448119".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:49
S4	1	"5402023".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:49
S5	1	"5214326".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:49
S6	1	"5483113".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:49
S7	1	"5256922".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:54
S8	7	29/898.ccls. and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/07 13:54
S9	7	29/898.ccls. and (spindle adj motor)	USPAT; USOCR	OR	ON	2006/12/07 13:55
S10	1	29/898.01.ccls. and (spindle adj motor)	USPAT; USOCR	OR	ON	2006/12/07 13:55
S11	2	29/898.01.ccls. and (spindle and motor)	USPAT; USOCR	OR	ON	2006/12/07 13:56
S12	3	29/898.1.ccls. and (spindle adj motor)	USPAT; USOCR	OR	ON	2006/12/07 13:56
S13	1	"5583906".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:56
S14	1	"5524728".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:57
S15	1	"5372432".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:57
S16	1	"5479967".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:57
S17	1	"5161900".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:57
S18	1	"5067528".PN.	USPAT; USOCR	OR	ON	2006/12/07 13:57
S19	27	720/695.ccls.	USPAT; USOCR	OR	ON	2006/12/07 14:04
S20	2556	310/90.ccls.	USPAT; USOCR	OR	ON	2006/12/07 14:26
S21	244	310/90.ccls. and (spindle adj motor)	USPAT; USOCR	OR	ON	2006/12/11 16:17
S22	64	184/63.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 08:30
S32	94	184/7.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 08:35
S33	1	"4098067".PN.	USPAT; USOCR	OR	ON	2006/12/11 08:42
S34	1788	184/6.ccls.	USPAT; USOCR	OR	ON	2006/12/11 08:42
S35	3	S34 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 08:42

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S36	3	S34 and spindle near motor	USPAT; USOCR	OR	ON	2006/12/11 08:42
S37	1	S34 and disk adj drive	USPAT; USOCR	OR	ON	2006/12/11 08:43
S38	74	184/67.cds.	USPAT; USOCR	OR	ON	2006/12/11 08:45
S39	481	184/96.cds.	USPAT; USOCR	OR	ON	2006/12/11 08:47
S40	100	384/144.cds.	USPAT; USOCR	OR	ON	2006/12/11 08:47
S41	3	S40 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 08:58
S42	28	"5,536,088"	USPAT; USOCR	OR	ON	2006/12/11 08:50
S43	1	"5,536,088".pn.	USPAT; USOCR	OR	ON	2006/12/11 08:50
S44	1	S40 and hard adj disk	USPAT; USOCR	OR	ON	2006/12/11 08:59
S45	0	S40 and hdd	USPAT; USOCR	OR	ON	2006/12/11 08:59
S46	505	nintendo.as.	USPAT; USOCR	OR	ON	2006/12/11 09:14
S47	59	184/100.cds.	USPAT; USOCR	OR	ON	2006/12/11 09:30
S48	209	384/142.cds.	USPAT; USOCR	OR	ON	2006/12/11 09:31
S49	0	S48 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 09:31
S50	0	S48 and hard adj disk	USPAT; USOCR	OR	ON	2006/12/11 09:32
S51	211	384/512.cds.	USPAT; USOCR	OR	ON	2006/12/11 09:32
S52	12	384/512.cds. and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 10:18
S53	5	(clean and ball adj bearing\$1).ab.	USPAT; USOCR	OR	ON	2006/12/11 10:08
S54	31	(spindle adj motor and ball adj bearing\$1).ab.	USPAT; USOCR	OR	ON	2006/12/11 10:10
S55	0	S54 and (clean or wash).ab.	USPAT; USOCR	OR	ON	2006/12/11 10:10
S56	5	S54 and (clean\$3 or wash\$3)	USPAT; USOCR	OR	ON	2006/12/11 10:13
S57	87	384/490.cds.	USPAT; USOCR	OR	ON	2006/12/11 10:14
S58	6	S57 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 10:16
S59	2	(S57 and hard adj disk) not S58	USPAT; USOCR	OR	ON	2006/12/11 10:17
S60	178	384/513.cds.	USPAT; USOCR	OR	ON	2006/12/11 10:18
S61	0	S59 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 10:18
S62	2	S59 and hard adj disk	USPAT; USOCR	OR	ON	2006/12/11 10:18
S63	16	384/517.cds. and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 10:19
S64	10	(ball adj bearing near (wash or washing))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 11:53
S65	0	"005336955".pn.	USPAT; USOCR	OR	ON	2006/12/11 16:12
S66	1	"5336955".pn.	USPAT; USOCR	OR	ON	2006/12/11 16:14
S67	7	"5841210"	USPAT; USOCR	OR	ON	2006/12/11 16:14
S68	1	"5841210".pn.	USPAT; USOCR	OR	ON	2006/12/11 16:14
S69	0	310/69R.cds.	USPAT; USOCR	OR	ON	2006/12/11 16:17
S70	1900	310/67R.cds.	USPAT; USOCR	OR	ON	2006/12/11 16:17
S71	391	S70 and ball adj bearing	USPAT; USOCR	OR	ON	2006/12/11 16:19

## EAST Search History

S72	268	S71 and assembly	USPAT; USOCR	OR	ON	2006/12/11 16:19
S73	13	S71 and method.tl.	USPAT; USOCR	OR	ON	2006/12/11 16:29
S74	148	S71 and spindle adj motor	USPAT; USOCR	OR	ON	2006/12/11 16:30
S75	143	S74 not S73	USPAT; USOCR	OR	ON	2006/12/11 16:30
S76	1	"5502605".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:39
S77	1	"6194360".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:40
S78	1	"4841393".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:40
S79	1	"5448119".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:41
S80	1	"5296981".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:49
S81	1	"5296981.pn.", "5448119.pn.", "4841393.pn.", "6194360.pn.", "5502605".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:51
S82	1	"5296981.pn."  "5448119.pn."  "4841393.pn."  "6194360.pn."  "5502605".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:51
S83	5	(5296981  5448119  4841393  6194360  "5502605").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:52
S84	5	("5296981", "5448119", "4841393", "6194360", "5502605").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 09:52
S85	808	360/99.08.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 11:11
S86	137	360/99.08.ccls. and clean	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 11:11
S87	505	S85 and spindle adj motor	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 11:14
S88	12	S85 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:48
S89	808	360/99.08.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:48
S90	505	S89 and spindle adj motor	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:48
S91	44	S90 and method.tl.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:53
S92	0	S90 and wash	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:53
S93	461	S90 not S91	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:55
S94	0	S89 and clean\$3 adj bearing\$1	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:54
S95	0	S89 and clean adj bearing	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:54
S96	230	S93 and ball adj bearing	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/12 12:55
S97	0	"510.clas" and ball adj bearing	USPAT; USOCR	OR	ON	2006/12/13 08:54
S98	505	15/1.51.ccls.	USPAT; USOCR	OR	ON	2006/12/13 08:55
S99	5	S98 and ball adj bearing	USPAT; USOCR	OR	ON	2006/12/13 08:55

## EAST Search History

S10 0	500	S98 not S99	USPAT; USOCR	OR	ON	2006/12/13 08:55
S10 1	109	S100 and bearing	USPAT; USOCR	OR	ON	2006/12/13 08:56
S10 2	8	S100 and bearing.ab.	USPAT; USOCR	OR	ON	2006/12/13 08:57
S10 3	0	S102 not S101	USPAT; USOCR	OR	ON	2006/12/13 08:57
S10 4	101	S101 not S102	USPAT; USOCR	OR	ON	2006/12/13 08:57
S10 5	3	S104 and ultrasonic	USPAT; USOCR	OR	ON	2006/12/13 08:58
S10 6	18	(ball adj bearing and cleaning).ab.	USPAT; USOCR	OR	ON	2006/12/13 09:00
S10 7	4	("3557807").URPN.	USPAT	OR	ON	2006/12/13 09:03
S10 8	1	"20020077033".PN.	US-PGPUB	OR	ON	2006/12/13 09:03
S10 9	1	"6371656".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:03
S11 0	1	"6117249".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:03
S11 1	1	"6099391".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:09
S11 2	3	(cleaning adj ball adj bearings).ti.	USPAT; USOCR	OR	ON	2006/12/13 09:09
S11 3	1	"5592840".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:10
S11 4	1	"5592840".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:10
S11 5	1	"5512006".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:10
S11 6	1	"5240590".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:10
S11 7	1	"4893387".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:12
S11 8	1	"4435247".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:12
S11 9	1	"3913994".PN.	USPAT; USOCR	OR	ON	2006/12/13 09:12
S12 0	1	"3557807".PN.	USPAT; USOCR	OR	ON	2006/12/13 12:55